



UNIVERSAL UNCAPPING MACHINE - "APITOTAL 2005"



Capacity:

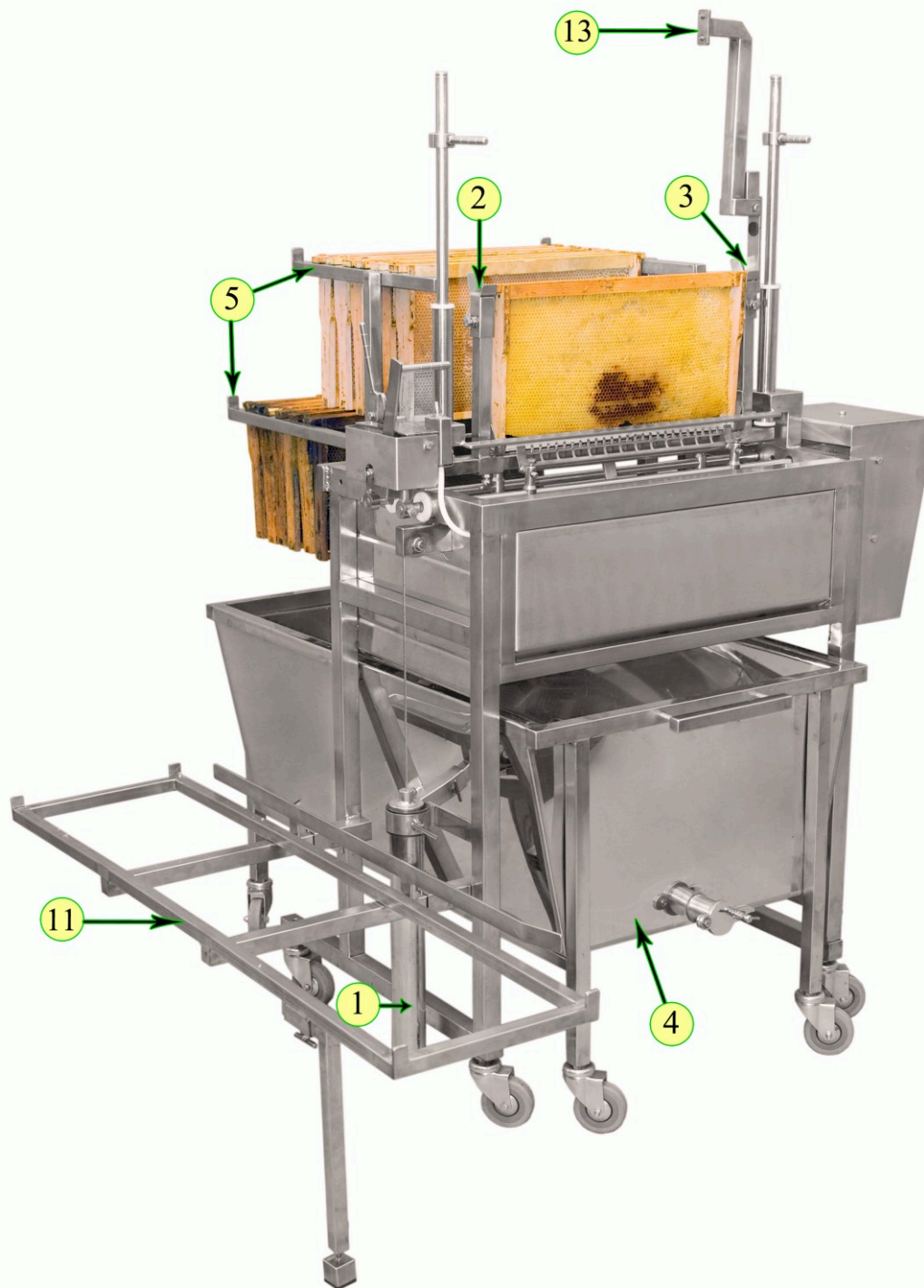
200 frames/hour

Uncaps any type of frame with the same width (Dadant, Langstroth or 1/2)
For frames with different width, special knives can be provided

Equipped with:

- vibrating knives without heating
- supports for storage 20 uncapped frames
- tank for honey-wax separation
- motor 370W, 220V



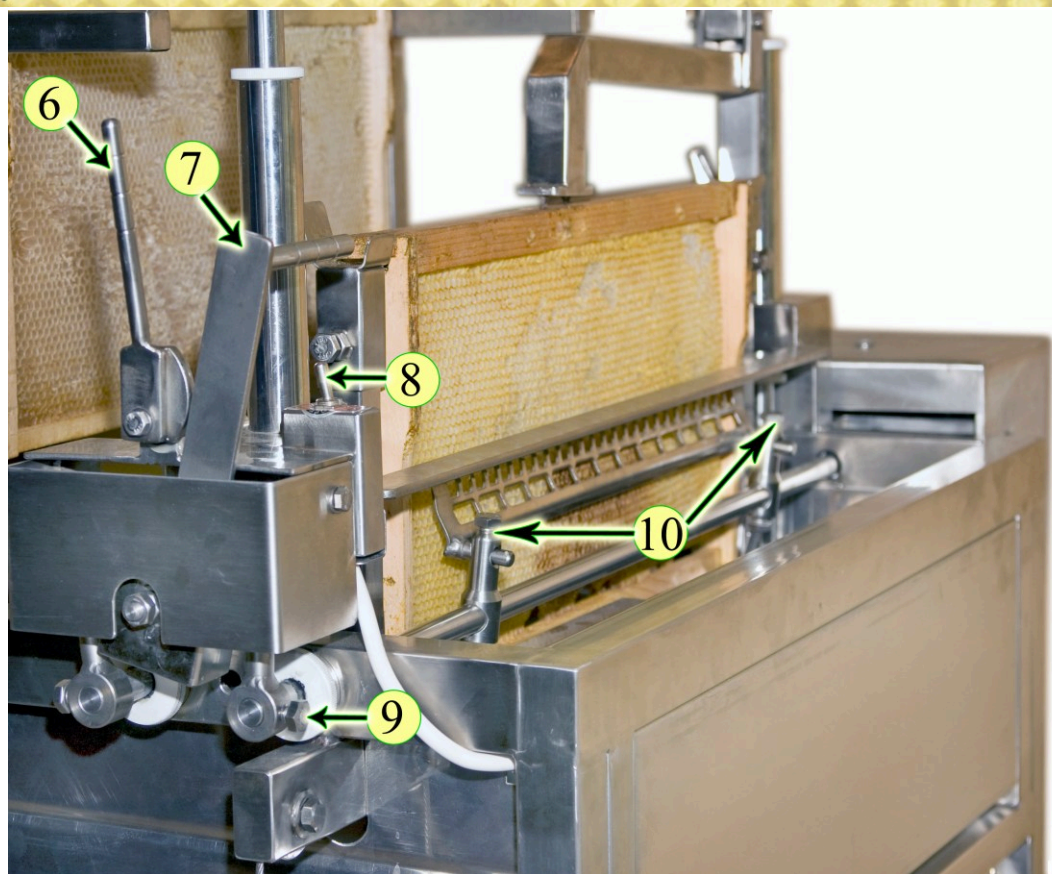


A. Description

- (1) Counterweight for the frames rack. It can be blocked for transport and during the adjustment of the machine.
- (2) Device for sustaining the frame at the upper side (left) and adjusting in height and width of frame.
- (3) Device for sustaining the frame at the upper side (right) and adjusting in height.
- (4) Wheeled basin for honey/wax separation.
- (5) Frames rack 20 frames capacity.
- (6) Hand lever for adjusting the uncapping level:
 - a. Forward (in depth);
 - b. Backward (superficial).
- (7) Hand lever for spacing out the knives (actioned backward). It can be used for the following situations:
 - a. The knives can pass over the lower stick of the frame, when this is 25 mm thick or more;
 - b. Partial uncapping of frames in the capped area at the superior part of the comb.
- (8) 3 position electric switch:
 - a. Forward - automatic connection when moving the frame rack up and down;
 - b. Backward - manual switch when needed (partial uncapping);
 - c. "0" position.
- (9) Adjusting screws for the angle of knives, when the frames are thicker than 25 mm.
- (10) Device for adjusting the knives (upper screws) and aligning the knives in the case of different size frames (lower screws).

The right (10) device must be always fixed for longer or shorter knives, only the left (10) device can be adjusted.
- (11) Devices for positioning the frame at the inferior part. The right device remains fixed, the left one can be adjusted.

Initial equipping and adjustment of knives is done by supplier
- (12) Rack for beehive boxes.
- (13) Safety handle for frames uncapping.



B. The machine adjustment is done in the following stages:

1. a) Choose a uniform, completely capped frame
 b) Lay the frame on the frame rack and adjust the rack according to the frame dimensions: width and height with the help of device (2) for upper side and 11 left for lower side.
2. The distances between the lateral extremities of the knives and vertical parts of the frame have to be equal about 15 mm. This operation is done by lower screws on the device 10.
3. The hand lever (7) is pulled and the frame is set down until the half of the comb.
4. The counterweight (1) is blocked.
5. The hand lever (6) is brought in vertical position.
6. The front screw (9) on the support axe of the knife is slightly unscrewed and the vibratory knife is pushed 2-3 mm under the capping; after that, it is firmly screwed in place.
7. The operation is repeated also for the knife placed in the rear, with the (9) screw.
8. In order to switch from DADANT frames to half frames, the sustaining devices (2) and (3) are set down at the required level.
 For other frame types, stages 1-7 have to be followed.

Once the mechanical tuning is done, the machine does not require other intervention.